

North Carolina Courts Commission

NC State Crime Laboratory
January 11, 2019



Agenda

Background / Lab Landscape

Director's Comments

Technical Operations Update

Court Coordination

Sexual Assault Evidence Collection Kit Tracking and Inventory Management System (STIMS)

Outsourcing Update

Closing Comments / Questions

North Carolina State Crime Laboratory Mission:

Conduct the highest quality, technically proficient forensic analysis in a timely manner and provide impartial expert witness testimony.

We are the NC State Crime Lab

Not the SBI Crime Lab
(Separated by the Legislature in 2013)

So what?
Independent of Law Enforcement
Neutral to the Courts: Truth through Science
We discuss cases with Prosecutor and Defense
Mail, subpoenas and court orders to the SBI Lab are delayed...

01/17/2019

JOHN A. BYRD

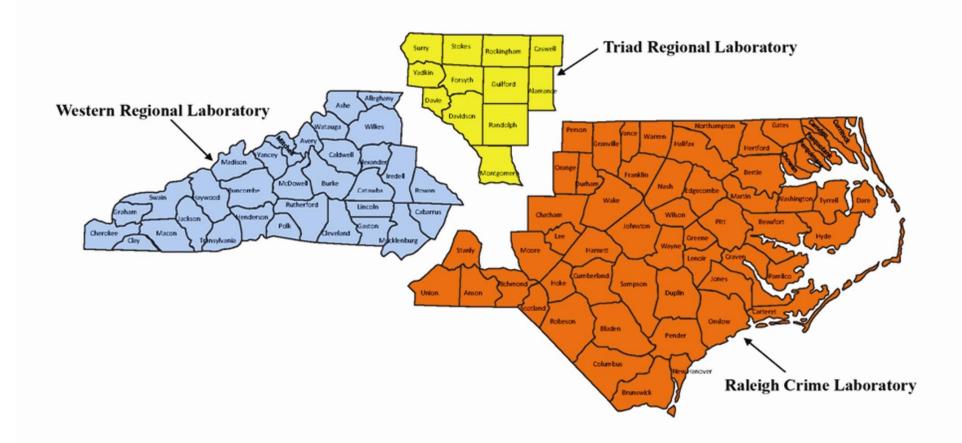
Appointed June 2, 2014

• 23 + Years—Forensics, Manager in Digital Evidence, Latent Evidence, Forensic Biology (DNA), DNA Database

Operation Iraqi Freedom Veteran

• Brigadier General (Retired)-North Carolina National Guard

North Carolina State Crime Laboratory



FORENSIC ANALYSES CONDUCTED:

- Digital Evidence --computers, cellphones, audio, video, encryption bypass
- DNA Database—Process and Upload of Convicted Offender and Arrestee Samples; maintenance of State DNA Database
- Drug Chemistry--controlled substances
- Firearms--weapons, ammunition
- Forensic Biology--body fluids, DNA testing
- Latent Evidence--fingerprints, palm prints, footprints, footwear, tire impressions
- Toxicology--controlled substances; alcohol/drugs in blood/urine
- Trace Evidence--hair, fiber, glass, paint, headlight filaments, gunshot residue, explosives and fire debris

Crime Lab Achievements Quality Assurance

- Laboratory Director with science background
- ISO/IEC 17025 Accreditation
- Each analyst individually certified
- DNA Quality Assurance Audit
- Forensic Science Advisory Board
- Lab Legal Counsel
- Ombudsman

Crime Lab Achievements Transparency & Awareness

- Forensic Advantage (Lab Information Management System) enhances transparency for users
- Tours of Laboratory Facilities for judicial and defense stakeholders
- Customer Feedback through formalized court reports & annual survey

Crime Lab Achievements Efficiency

- Lean Six Sigma Project
- Identification of resolved cases / analysis to be returned via Forensic Advantage (STOPWORKS)
- Case management guidelines
- Robotic Technology
- Training by outside experts

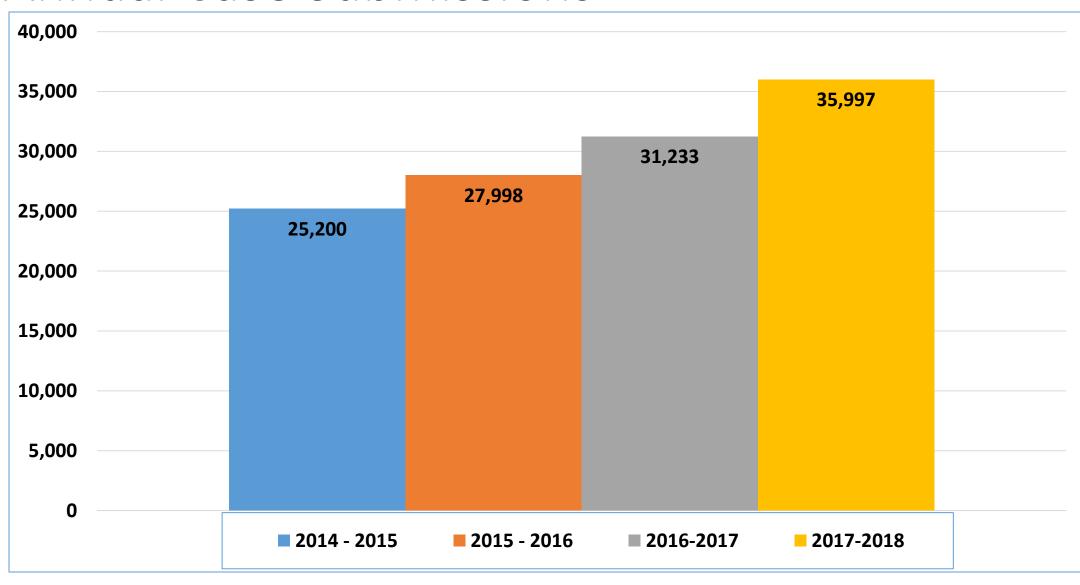
Crime Lab Achievements Collaboration

- Court Scheduling
- School of Government Crime Lab Working Group
 - 17 recommendations
- Training for Conference of District Attorneys & Defense Attorneys
- Local law enforcement / DA evidence submission training
- Judicial Education trainings with School of Government

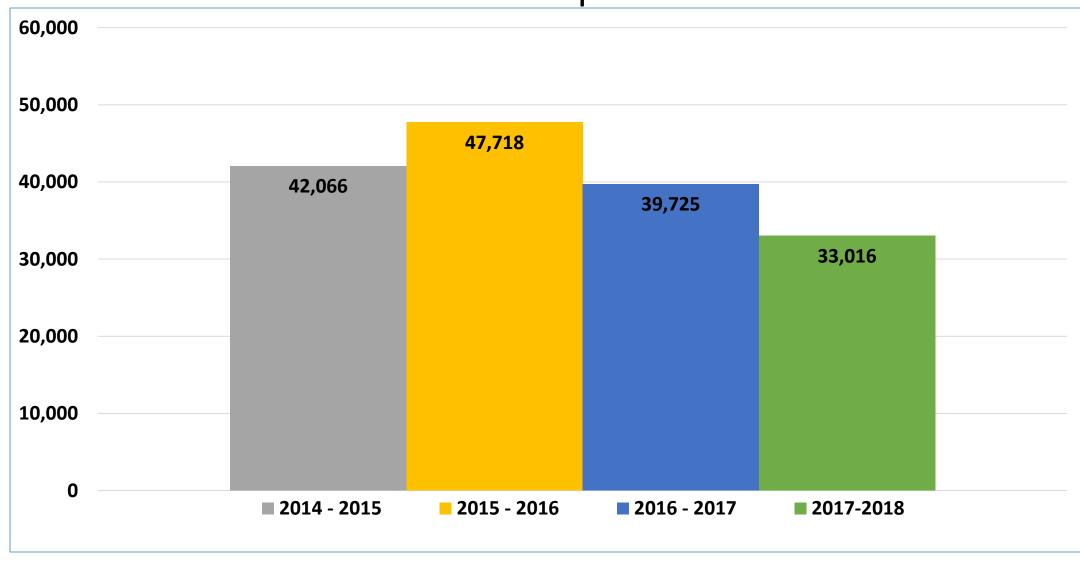
Technical Operations Update

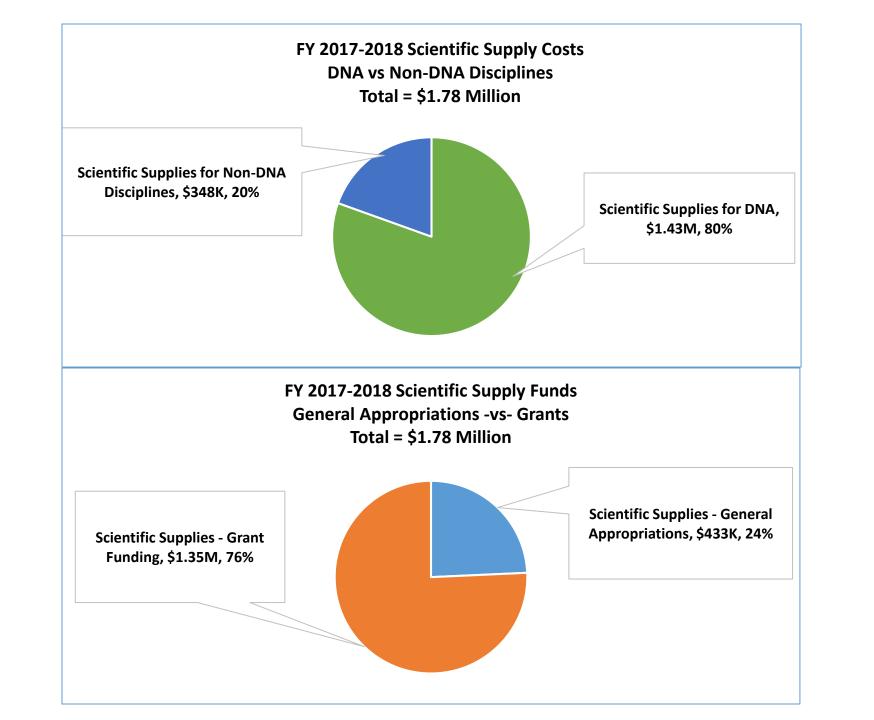


Annual Case Submissions



Annual Case Record Completions



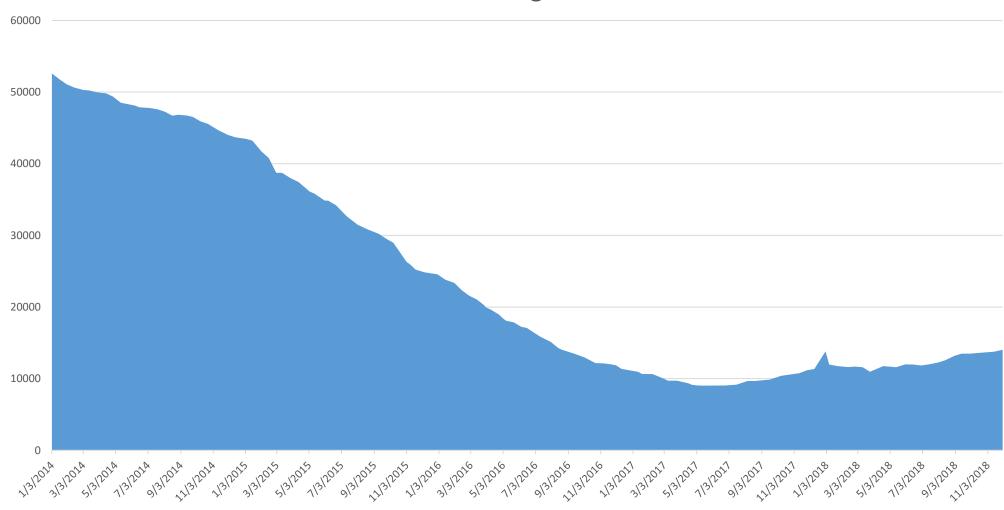


Project FORESIGHT Annual Report, 2016-2017

National Percentile for Cost per Case by Investigative Area

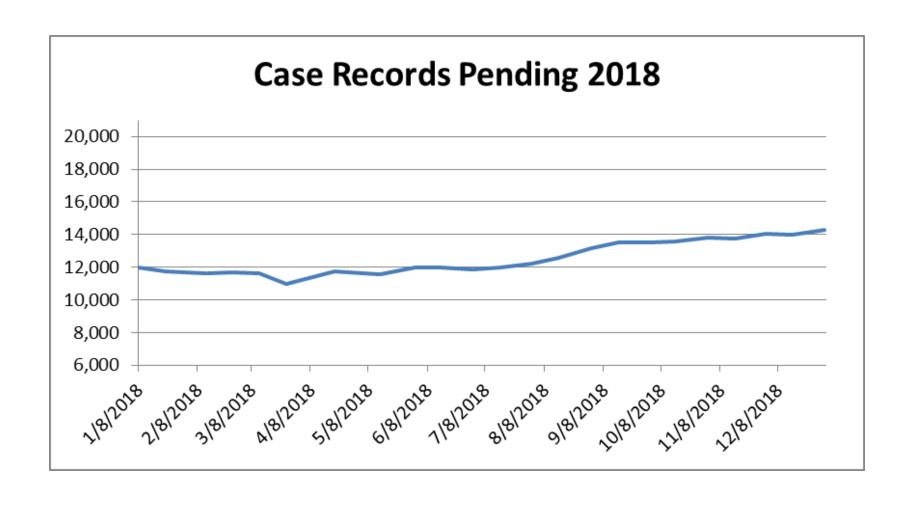
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25th percentile	Median	75th percentile	NC State Crime Lab
\$583	\$736	\$1,209	\$902
\$110	\$177	\$444	\$71
\$896	\$11,978	\$32,934	\$19,417
\$1,306	\$1,885	\$3,295	\$1,566
\$42	\$103	\$178	\$100
\$301	\$492	\$671	\$261
\$8,378	\$16,064	\$32,736	\$10,553
\$521	\$884	\$1,468	\$1,907
\$1,328	\$2,717	\$4,047	\$695
\$1,050	\$1,880	\$3,702	\$1,538
\$2,530	\$3,535	\$4,945	\$640
\$4,674	\$7,786	\$13,743	\$2,207
\$997	\$1,956	\$3,458	\$1,235
\$3,198	\$4,832	\$8,507	\$4,478
	\$583 \$110 \$896 \$1,306 \$42 \$301 \$8,378 \$521 \$1,328 \$1,050 \$2,530 \$4,674 \$997	\$583 \$736 \$110 \$177 \$896 \$11,978 \$1,306 \$1,885 \$42 \$103 \$301 \$492 \$8,378 \$16,064 \$521 \$884 \$1,328 \$2,717 \$1,050 \$1,880 \$2,530 \$3,535 \$4,674 \$7,786 \$997 \$1,956	\$583 \$736 \$1,209 \$110 \$177 \$444 \$896 \$11,978 \$32,934 \$1,306 \$1,885 \$3,295 \$42 \$103 \$178 \$301 \$492 \$671 \$8,378 \$16,064 \$32,736 \$521 \$884 \$1,468 \$1,328 \$2,717 \$4,047 \$1,050 \$1,880 \$3,702 \$2,530 \$3,535 \$4,945 \$4,674 \$7,786 \$13,743 \$997 \$1,956 \$3,458

Jobs Pending: Trends



Caseload

1/1/2019-14,275



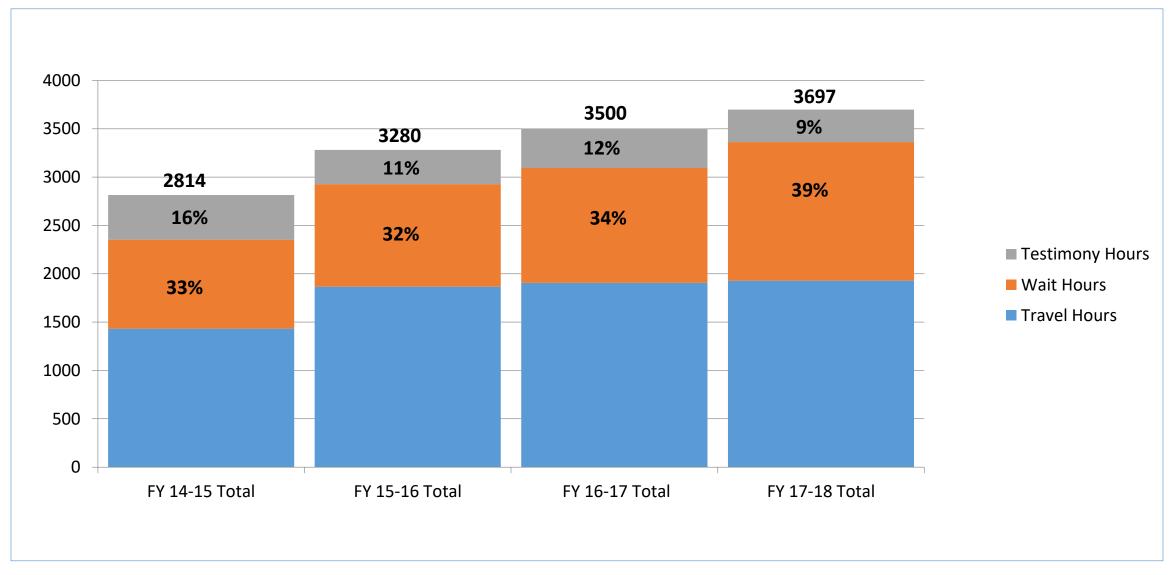
Technical Operations Snapshot

- Laboratory Totals 14,275 (Inventory as of 1-4-2019)
- Lead Time (the time the customer feels) Lab average of 176 days
- Rush program that can get most of our disciplines complete within 30 days or less for public safety needs.

Forensic Biology Updates

- 3,395 case records completed
- 501 CODIS hit notifications issued in 2018
- "Direct-to-DNA" saving time and resources; creating efficiencies
- DOJ and SCL notified of \$2 million Sexual Assault Kit Initiative grant award from the National Institute of Justice of which 50% is for testing.

Court Testimony Hours 2014-2018



Sexual Assault Evidence Collection Kit Tracking and Inventory Management System (STIMS)

Mandated by S.L. 2018-70



Compliance with S.L. 2018-70

- Created and established SAECK Tracking and Inventory Management System (STIMS)
 - Live on October 1, 2018
- Served on DPS SAECKs Working Group

North Carolina Department of Public Safety

Sexual Assault Evidence Collection Kits Working Group

Strategic Plan, Findings, and Recommendations

To the North Carolina General Assembly Joint Legislative Oversight Committee on Justice and Public Safety



Secretary Erik A. Hooks December 1, 2018 Pursuant to N.C. Session Law 2018-70

STIMS is INVOLUNTARY- (Live on October 1, 2018)

- STIMS click <u>here</u>
- STIMS Registered Users 672 Law Enforcement Officers and 453 medical personnel
- 65 kits in custody of SCL in the system. (4-CMPD Lab)
- 577 kits in STIMS with a collection date after 10/1/2018.

Outsourcing Update

Outsourcing for previously untested SAECKs identified in the 2017 Statewide Audit is currently Voluntary

(SCL is testing current cases)



Outsourcing is **VOLUNTARY**

- 1018 SAECKs Requested for outsourcing
- 909 SAECKs approved for testing
- 503 completed by the vendor labs
- 291 negative
- 84 CODIS Hits to date

Agencies Outsourcing through the SCL

- Albemarle PD
- Asheville PD
- Durham PD
- Forsyth County SO
- Greenville PD
- Hickory PD

- High Point PD
- Onslow County SO
- Orange County SO
- Stanley County SO
- Winston Salem PD
- Wilmington PD

Guilford County SO, Raleigh PD and Clinton PD have met with the SCL to initiate outsourcing.

Expansion Request

The SCL has worked over four years to gain continuous process improvements using Lean Six Sigma efficiency methodology, advanced computerized systems, increased robotic instruments, streamlined evidence management processes, strategic redistribution of casework and staff and improved coordination with the courts and our partners in the criminal justice system. The SCL has reached a point, however, in which continued progress can only be gained with additional resources.

- 12 Scientists (R)
- \$3 million per year over the next two years for SAECK Outsourcing (NR)

Questions?

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